

C.7

MEMO TO: City Council

FROM: Rosemarie Ives, Mayor

DATE: January 18, 2005

SUBJECT: **ACCEPTANCE OF CONSTRUCTION FOR LOWER PETERS CREEK
HABITAT ENHANCEMENT AND CULVERT REPLACEMENT AT
151ST AVENUE NE, PROJECT NOS. 02-NR-25, 02-NR-26 & 00-NR-75**

I. RECOMMENDED ACTION

Move to approve the final contract amount with Grade, Inc. for the base bid amount of \$1,132,682.85 plus change orders and bid item quantity increases and decreases, which resulted in a final contract amount of \$1,062,181.96 and accept construction of the Lower Peters Creek Habitat Enhancement and Culvert Replacement at 151st Avenue NE, Project Nos. 02-NR-25, 02-NR-26 & 00-SD-75, as of January 18, 2005.

II. DEPARTMENT CONTACT PERSONS

David Rhodes, Director of Public Works	556-2705
Bill Campbell, City Engineer/Assistant Director of Public Works	556-2733
Ron Grant, Construction Engineering Manager	556-2742
Michael Haley, Construction Project Manager	556-2843
Roger Dane, Natural Resources Project Manager	556-2815

III. DESCRIPTION

The purpose of these projects is to reduce localized flooding impacts, protect private and public property and improve salmon habitat along approximately 2,400 linear feet of Class 2 stream channel at Lower Peters Creek (between Willows Road and the Sammamish River), and in the lower Peters Creek channel as it runs under 151st Avenue NE right-of-way. These in-stream and buffer habitat enhancements and culvert replacement projects are consistent with regional Endangered Species Act (ESA)

recovery efforts for Chinook salmon, and were included in the approved 2001-07 Stormwater CIP.

Each of these projects meets the criteria as stormwater rate “surcharge” projects, providing flood control, protecting property, reducing liability, protecting ESA listed Chinook salmon, enhancing water quality and partnering with private property owners.

The completed projects maintain or increase channel capacity; improve in-stream habitat with spawning gravel and log structures; and, enhance upland buffers. Eroded stream banks have been protected with bioengineering methods along with control of invasive weedy vegetation, and the stream buffers planted with native trees and shrubs (with funding assistance from the King Conservation District Grant (KCD) grant)). Where possible the channel has been reshaped and the banks sloped back, reducing erosion and improving habitat.

Concurrent with the stream and culvert projects, the Water Division required installation of a water main extension across and under Peters Creek to increase reliability of the water system in the project vicinity. Incorporating this water main extension with the stream project took advantage of permits and property agreements secured for the stream enhancements.

Main components of the project constructed include: restoration of approximately 2,400 linear feet of stream channel, replacement of undersized culverts under 151st Ave. NE with a box culvert; relocation of utilities as needed to accommodate the larger culvert, and installation of 200 feet of new water main.

The project will be monitored for five years, as required by permit approvals. In addition, the native plants will be maintained and weeds removed from the project site for the same time period.

The contractor began work in July of 2004, and work was substantially complete in December 2004. The final contract amount is less than the original bid due to several bid item under runs.

Contract work was substantially completed outside the time specified in the contract due to poor weather conditions and the contractor’s inability to maintain a productive work schedule. There are no contractor claims filed against the City, and no liquidated damages are being assessed.

All work under this contract has been completed in accordance with the plans and specifications approved by the City Engineer. The recommended action approves the final amount and constitutes final acceptance of the work under the contract.

IV. **IMPACT**

A. Service Delivery: This project will contribute to the control of flooding and erosion, while enhancing habitat for salmon and other wildlife along Peters Creek.

B. Fiscal:

Project Construction Costs

Original Contract (Grade, Inc.)	\$1,132,683
Bid Item Quantity Increase & Decrease	<u>(70,501)</u>
Sub Total	\$1,062,182

Watershed Company	64,000
Const. Engineering & Inspection	<u>25,000</u>
Total	\$1,151,182

Project Construction Funding

Water/Wastewater CIP	\$ 55,000
King Conservation District Grant	92,800
Stormwater CIP	<u>1,003,382</u>
Total Construction Funding	\$1,151,182

V. **ALTERNATIVES**

None.

VI. **TIME CONSTRAINTS**

Following project acceptance, in accordance with RCW 60.28, the contract retainage will be released upon clearances from the Departments of Revenue and Labor & Industries, with a mandatory 45-day waiting period for filing of claims and liens.

VII. LIST OF ATTACHMENTS

A. [Vicinity Map](#)

s/s

David Rhodes, Director of Public Works

12/30/04

Date

Approved for Council Agenda

s/s

Rosemarie Ives, Mayor

1/5/05

Date